

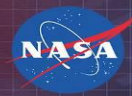
# *Networking & Information Technology Research and Development Program*

*High End Computing Interagency Working Group (HEC IWG) &  
Big Data Senior Steering Group (BDSSG)*

*Peter Lyster, Deputy Director  
National Coordination Office NITRD*

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***Supercomputing and Big Data: From Collision to Convergence***



# Networking and Information Technology Research and Development Program

- Created by the [High-Performance Computing \(HPC\) Act of 1991 \(Public Law 102-194\)](#)
- Purpose: *To assure U.S. leadership in, and accelerate development and deployment of, advanced networking, computing systems, software, and associated information technologies.*
- Overseen by the *National Coordination Office (NCO)*
  - **Purpose:** *Provides support for the NITRD Program by providing technical expertise, planning, and coordination and by serving as the Program's central point of contact.*
  - **Vision:** *To be a catalyst for collaboration, information exchange, and outreach to foster knowledge, methods, R&D, technology transfer, and innovation to meet the NITRD Program goals.*

# Organization

White House Executive Office of the President  
Office of Science and Technology Policy

National Science and  
Technology Council

Committee on  
Technology

Subcommittee on  
Networking and Information  
Technology R&D (NITRD)

National Coordination  
Office for NITRD

# Goals

- What can supercomputing and big data communities learn from each other, and how can this be done?
- Can the technology for big data and high-fidelity HPC simulation really merge? If so, how may it happen, and when?
- What are the potential outcomes and impacts from such a merger?
- What research is needed to investigate the challenges and opportunities presented by the convergence of supercomputing and big data?

## Panelists

- Randal Bryant, White House Office of Science and Technology Policy
- Andrew Moore, Carnegie Mellon University
- George Biros, University of Texas at Austin
- Ian Foster, Argonne National Laboratory & University of Chicago
- David Bader, Georgia Tech